

In re: Appln No. 10/050,838
Amendment dated March 16, 2006
Reply to Office action of January 24, 2006

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This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A communication system comprising a combination of (A) a wireless end-user communication device with two separate transceivers and a unique access number (B) said transceivers with both a short-range wireless or wired transceiver and long-range wireless transceiver and, (C) a communication management system comprised of at least one algorithm initiated after establishing the initial communications link or communication device address within one communication session selected from the group consisting of algorithms for dynamic communications routing, communication device address switching between short-range and long-range transceivers, minimizing switching time between at least one selected from the group of communications link, address, or routing, minimizing switching frequency between communications link, minimizing customer cost, or combinations thereof, from the group of local communication management system for individual coordinated device connectivity, distributed communication management system for management of multiple communication devices, (D) said communication management system performing dynamic switching of communication transceivers and dynamic addressing of communication devices within the network of communication devices.

2. (canceled)

3. (currently amended) The communication system according to unique access number of claim 1, further comprised of algorithm to dynamically establish communication link with end-user communication device based on parameters including a wherein the access number is selected from the group consisting of one of the group of standard telephone number, Internet Protocol address, government assigned identification number, or and company assigned encrypted number; in that said unique access number is cross referenced in a lookup table indexed by both call terminator and call originator access numbers for functions including to provide current access numbers and sequential prioritization of access numbers by a routing manager that is optionally a further function of a time of day and calendar schedule or database, said end-user

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communication device's precise geographic location, said end-user communication device's availability of short-range transceiver, or combinations thereof, ; and in that said is unique access number is cross-referenced in a database further comprising the step of selecting type from the group of object-oriented, relational, semantic, and flat-file databases, and is further comprised of data files selected from the group of personal, professional, marketing, fax, e-mail, voice-mail, cellular, dynamic or static Internet Protocol address, pager, membership, and historic data.

4. (canceled)

5. (canceled)

6. (currently amended) The communication management according to claim 1 ~~systems of claim~~ 4, wherein ~~the management system the algorithm~~ utilizes thresholds in its dynamic algorithms switching including thresholds selected from the group consisting of end-user communication device's further comprising the step of selecting from the group of local threshold that enables dynamic switching between short-range channel managers, or remote threshold that enables dynamic switching between long-range channel managers, or seamless threshold that enables dynamic switching between short-range and long-range communication channel managers, or combinations thereof.

7. (canceled)

8. (canceled)

9. (canceled)

10. (currently amended) The communication management according to claim 1, dynamic algorithms of claim 6, wherein the algorithms dynamically select the optimal a new end-user communication device address utilizing factors parameters selected from the group consisting of time to register a new dynamic address, communications latency times, and routing capacity availability, membership privileges, rate of signal strength deterioration or increase, or combinations thereof.

11. (canceled)

12. (canceled)

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13. (currently amended) The communication management system of claim 1, ~~wherein the management system extends the traditional~~ further comprised of at least one selected from the group consisting of caller identification system communicating systems by making known both the call originator and the desired call terminator access numbers, dynamic communications link routing in accordance to a time of day and calendar schedule, or combinations thereof.

14. (currently amended) The communication management system according to claim 1 of claim 13, wherein the management system end-user communication device serves multiple access numbers concurrently and the original call terminator access number dynamically varies said communication device's functionality including functions selected from the group consisting of: ~~in that said multiple access numbers are further handled as selected from the group of~~ distinct ~~ring to distinguish between a certain the original call terminator and others, routing to voice-mail, and quality of service independent screening-in and screening-out filters for process handling of establishing a communications link.~~

15. (currently amended) The ~~communication devices of~~ communication management system according to claim 1, wherein the end-user communication device makes known its geographic location; in that said geographic location is determined by the step of selecting from the group consisting of utilizing known geographic location of channel manager known location, triangulation of signal strengths from multiple channel managers with their known location, utilizing global positioning system, or utilizing local positioning system, or combinations thereof.

16. (currently amended) The communication management system according to claim 1, wherein the end-user communication device precise knowledge of geographic location of claim 15, wherein the location is a parameter for dynamically initiating utilized for multiple functions including functions selected from the group consisting of said communication management system displaying graphically the location to specified and authorized parties, conveying geographic specific messages such as including the issuance of welcome messages, safety, or marketing messages, optimal routing, addressing, communications link, audit trail for payroll, audit trail for security, and individual profiling receiving said end-user communication device profile information, issuance of coupons, acknowledgement of said end-user communication

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device registration, including or excluding information containing said precise geographic location to any third party, enabling or disabling the short-range transceivers, or combinations thereof.

17. (canceled)

18. (canceled)

19. (canceled)

20. (currently amended) The communication management system according to claim 1, wherein the end-user communication device ~~communication devices of claim 1, wherein the device~~ utilizes an integrated data scanner to trigger specific messages with geographic precise location context sensitive information between device and channel manager including ~~in that said data scanner is data scanners selected from the group consisting of bar code scanner, read system such as radio frequency identification tags reader, optical readers, and or infrared transceiver; and that said context sensitive information is selected from the group of registration of an individual communication device into a specific channel manager, inquiry of product pricing information, generation of manufacturer's coupon, broadcast of known geographic location to communication management system, broadcast of user's identification to a specific registered device, and authorization to initiate the sending of encrypted transactional information.~~

21. (new) A communication system comprising a combination of an end-user communication device having means to determine a precise geographic location, a communication management system comprised of at least one selected from the group consisting of an algorithm, database, or combinations thereof having dynamically varying functionality of said end-user communication device as a function of at least one selected from the group consisting of said end-user communication device's precise geographic location, said end-user communication device's precise geographic location and time of day and calendar schedule, said end-user communication device's precise geographic location and profile information of additional end-user communication device's within communication range, or combinations thereof.

22. (new) The communication system of claim 21, further comprised of at least one selected from the group consisting of caller identification system communicating both the call originator

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and the desired call terminator access numbers, dynamic communications link routing in accordance to a time of day and calendar schedule, or combinations thereof.

23. (new) The communication system according to claim 21, wherein the end-user communication device geographic location is determined by the step of selecting from the group consisting of utilizing known geographic location of channel manager, triangulation of signal strengths from multiple channel managers with their known location, utilizing global positioning system, utilizing local positioning system, or combinations thereof.

24. (new) The communication system according to claim 21, wherein the end-user communication device precise geographic location is a parameter for dynamically initiating functions including functions selected from the group consisting of said communication management system displaying graphically the location to specified and authorized parties, conveying geographic specific messages including the issuance of welcome, safety, or marketing messages, receiving said end-user communication device profile information, issuance of coupons, acknowledgement of said end-user communication device registration, including or excluding information containing said precise geographic location to any third party, enabling or disabling the short-range transceivers, or combinations thereof.

25. (new) The communication system according to claim 21, wherein the end-user communication device utilizes an integrated data scanner to trigger specific messages with geographic precise location context sensitive information between device and channel manager including data scanners selected from the group consisting of bar code scanner, radio frequency identification tags reader, optical readers, or infrared transceiver.

26. (new) A communication system comprised of at least one selected from the group consisting of caller identification system communicating both the call originator and the desired call terminator access numbers, dynamic communications link routing in accordance to a time of day and calendar schedule, or combinations thereof.

27. (new) The communication system of claim 26, further comprising a combination of an end-user communication device having means to determine a precise geographic location, a communication management system comprised of at least one selected from the group consisting

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of an algorithm, database, or combinations thereof having dynamically varying functionality of said end-user communication device as a function of at least one selected from the group consisting of said end-user communication device's precise geographic location, said end-user communication device's precise geographic location and time of day and calendar schedule, said end-user communication device's precise geographic location and profile information of additional end-user communication device's within communication range, or combinations thereof.

28. (new) The communication system according to claim 26, wherein the end-user communication device serves multiple access numbers concurrently and the original call terminator access number dynamically varies said communication device's functionality including functions selected from the group consisting of distinct ring to distinguish between the original call terminator, routing to voice-mail, and quality of service independent screening-in and screening-out filters for establishing a communications link.

29. (new) The communication system according to claim 26, wherein the end-user communication device geographic location is determined by the step of selecting from the group consisting of utilizing known geographic location of channel manager, triangulation of signal strengths from multiple channel managers with their known location, utilizing global positioning system, utilizing local positioning system, or combinations thereof.

30. (new) The communication system according to claim 26, wherein the end-user communication device precise geographic location is a parameter for dynamically initiating functions including functions selected from the group consisting of said communication management system displaying graphically the location to specified and authorized parties, conveying geographic specific messages including the issuance of welcome, safety, or marketing messages, receiving said end-user communication device profile information, issuance of coupons, acknowledgement of said end-user communication device registration, including or excluding information containing said precise geographic location to any third party, enabling or disabling the short-range transceivers, or combinations thereof.

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31.(new) The communication system according to claim 26, wherein the end-user communication device utilizes an integrated data scanner to trigger specific messages with geographic precise location context sensitive information between device and channel manager including data scanners selected from the group consisting of bar code scanner, radio frequency identification tags reader, optical readers, or infrared transceiver.

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